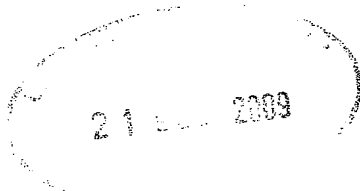




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Date

21.12.09

Reference P110049EP	Application No./Patent No. 05719051.4 - 1235 / 1703556 PCT/JP2005000120
Applicant/Proprietor Jisouken Co. Ltd.	

### Communication

The European Patent Office herewith transmits as an enclosure the supplementary European search report under Article 153(7) EPC for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

- ☒ 1 additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

### Refund of the search fee

If applicable under Article 9 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number  
EP 05 71 9051

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	GB 2 146 423 A (REDPOINT LIMITED) 17 April 1985 (1985-04-17) * page 1, line 70 - line 76; figure 3 *	1-3	INV. H01L23/367
Y	BE 561 245 A (A. HUET) 20 May 1960 (1960-05-20) * page 6, line 2 - line 6; figure 5 *	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L F28F
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 10 December 2009	Examiner Prohaska, Georg
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☒ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3

A heat sink with fins in a coil shape characterized by combinations of right- and left-handed coils.

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2. claims: 4-9

A heat sink with fins in a coil shape characterized by the coils being arranged in a standing manner in respect to the base.

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3. claims: 10-13

A heat sink with fins in a coil shape characterized by the coils being arranged parallel to the base.

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4. claims: 14-16

A heat sink with fins in a coil shape characterized by the coils being formed from a flat wire.

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5. claim: 17

A heat sink with fins in a coil shape characterized by the wire being coated with a ferrite containing film.

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6. claim: 18

A heat sink with fins in a coil shape characterized by the wire being aluminum or an aluminum alloy.

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7. claim: 19

A heat sink with fins in a coil shape characterized by the wire being an anticorrosion metal.

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8. claim: 20

A heat sink with fins in a coil shape characterized by the wire being coated with a heat-dissipative film.

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 71 9051

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-12-2009

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2146423	A	17-04-1985	NONE
BE 561245	A		NONE